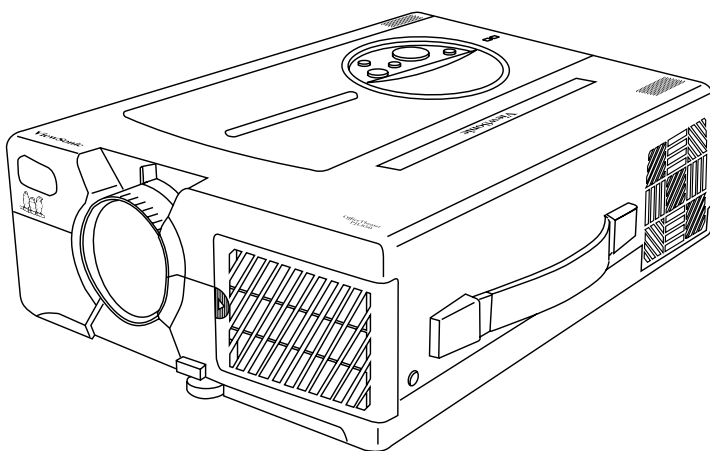


ViewSonic®

PJL855

Office Theater™

User's Guide



31" to 300" (Viewable)
Super Bright SVGA LCD Projector

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FOR YOUR RECORDS

The serial number of this product is on the bottom of the projector. Write the serial number in the space below and keep this guide as a permanent record of your purchase to aid in identification in the event of theft or loss.

Model Name:	ViewSonic PJL855
Model Number:	VPRJ21548-1
Serial Number:	_____
Purchase Date:	_____

FOR CUSTOMERS IN THE UNITED KINGDOM

THIS PRODUCT IS SUPPLIED WITH TWO PIN MAINS FOR USE IN MAINLAND EUROPE. FOR THE U.K. PLEASE REFER TO THE CLASS I EQUIPMENT NOTES BELOW.

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse of the same rating must be used.

If the fuse cover is detachable, never use the plug without the cover. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

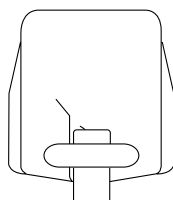
DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plugs, this must be carried out by a competent person, preferably a qualified electrician.

If there is no alternative to cutting off the mains plug, ensure that you first remove the fuse then immediately dispose of the portion remaining, to avoid a possible shock hazard by inadvertent connection to the mains supply.

WARNING: THIS EQUIPMENT MUST BE EARTHED

The wires in the mains lead are coloured in accordance with the code shown in the diagram below:



As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured Green, or Green and Yellow.

The wire coloured Blue must be connected to the terminal marked with the letter N or coloured either BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured either BROWN or RED.

WARNING:

This equipment has been tested and found to comply with the limits of a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the user guide, may interfere with radio communications.

Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

Instructions for FCC compliance:

This equipment complies with the requirements of FCC (Federal Communication Commission) Class A equipment provided that the following conditions are met:

1 Video signal cables:

Double shielded coaxial cables (so called FCC shielded cable) must be used. The outer shield must be connected to the ground. If normal coaxial cables are used, they must be enclosed in metal pipes or similar material to reduce the interference they may cause.

2 Power cord:

A shielded power cord must be used. The outer shield must be grounded.

3 Video Inputs:

The amplitude of the input signal must not exceed the level specified in this user's guide.

Important Safety Precautions

Warning Following these instructions could prevent possible injury or death.

If any of events listed below occur, switch projector OFF, pull power plug out of power source, and contact ViewSonic® Customer Support (see back cover):

- If there is an abnormal smell or smoke
- If suddenly there is no picture, no sound, or an abnormal sound
- If water or any other liquid enters the projector

To prevent possible electric shock or fire, handle power cord and power plug with care:

- Do not touch the power cord with wet hands.
- TO DISCONNECT THE UNIT FROM THE POWER SOURCE, GRASP THE POWER PLUG, AND PULL. DO NOT PULL THE POWER CORD ITSELF.
- Do not damage the power cord by pulling, bending, heating, or placing heavy objects on it.

To prevent possible electric shock or fire, keep liquids away from projector:

- Do not use the projector near water (such as a shower, sink, etc.).
- Do not put an open container with liquid on or near the projector (such as a vase, open beverage container, etc.).

Do not insert a foreign object into any part of the projector:

- To prevent electric shock or fire, do not insert a metal or flammable object through the ventilation holes, etc.
- If foreign matter enters the projector, switch it OFF and pull the power plug out of the power source.
- Prevent small children from inserting objects into the projector.

Only use recommended power supply:

- Do not use any power source that has a voltage other than what this user's guide specifies. See page 12.

CAUTION:

To prevent possible eye damage:

- **DO NOT look directly at the laser light from the aperture at the front of the Remote Control Unit. (See page 7.)**
- **DO NOT point the laser light at any person's eyes.**

Also, do not look directly into projector lens when lamp is lit:

- Prevent all people especially small children, from looking into the projector lens when the lamp is lit.

Do not subject projector to physical shock or place projector on unstable surface:

- Do not place the projector in a location where it is likely to be struck or bumped into.
- Avoid placing the projector on a shelf, cabinet, etc. that cannot adequately support its weight, or that is on an inclined floor.
- When the projector is placed on a table with casters, set the caster stoppers to prevent movement.

Caution Following these instructions could prevent personal injury or damage to the projector.

To prevent damage from heat build-up:

- Clean the air filter after every 100 hours of operation. (See page 16.)
- Do not place the projector in direct sunlight or near a source of heat like a furnace, electric heater, etc.
- Do not block ventilation holes (by placing the projector on its side, or on a carpet, bedspread etc.)
- Place the projector at least 10cm from any wall (allowing space for the ventilation holes).

Do not place projector in moist or dusty place:

- Do not place the projector in an area containing steam (from a humidifier, etc.) dust, or soot (from a stove, etc).

If projector will not be used for long time, pull out power plug and close lens cover.

Have inside of projector cleaned at least every two (2) years :

- Contact a ViewSonic Customer Service for information about where to have the inside cleaned. Never attempt to open the cabinet to clean the inside of the projector yourself.
- To clean the lens and cabinet, follow the instructions on page 16.

Do not place heavy objects on the projector.

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Getting Started

Congratulations on purchasing a ViewSonic PJL855 Office Theater™ LCD projector!
Save the original box and all packing material for future shipping needs.

Package Contents

- ViewSonic PJL855 Office Theater
- Remote Control Unit/Mouse & Laser Pointer
- 2 AA batteries
- 3 AC power cords (U.S., Europe, and China)
- Computer video cable (15-pin mini D-sub connector)
- Video/Audio cable (RCA connectors)
- S-Video cable (RCA connectors)
- Audio (stereo) mini-DIN cable
- PS/2 mouse cable
- Serial (RS232) mouse/computer-control cable
- ADB (Macintosh®) mouse cable
- Macintosh adaptor
- User's guide
- INF and ICM files on CD-ROM*
- Carrying Case

* **IMPORTANT:** The supplied **INF file** assures compatibility with Windows operating systems, and the **ICM file** (Image Color Matching) ensures accurate on-screen colors. When using a computer as the signal source, ViewSonic® recommends that you install both of these files.

- Insert the supplied CD-ROM into your system, wait for it to auto-start, select "Monitor Drivers," and follow the on-screen instructions.

Installation

1 Connect signal input cables

With both the PJL855 and the computer powered OFF, connect the appropriate video and audio cables to the computer, VCR, or other input sources.

Macintosh® users: Connect the supplied Macintosh adapter to the video cable, then to the PJL855.

2 Connect power cord

Connect the power cord to a properly grounded AC outlet, then to the PJL855.

3 Power-ON projector and all input devices (computer, VCR, etc.)

- Power-ON the PJL855 projector.
- Power-ON all input devices.

3 (continued)

When a PC is one of the input devices (not for Macintosh®):

- (1) **Install INF and ICM files**
See instructions in the "IMPORTANT" note above.
- (2) **Set signal timing of graphics card**
Set the graphics card(s) to 800 x 600 @ 75Hz (resolution and refresh rate).

4 Install batteries into Remote Control Unit

See instructions below.

To be best prepared for any future customer service needs:

- Write the serial number (see the bottom of the projector) in "For your Records" on page 1 of this guide.
- Register the warranty of your projector on the Internet at:

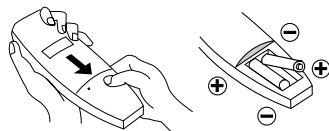
<http://www.viewsonic.com>

Inserting Batteries into the Remote Control Unit

1 Remove the compartment cover by sliding it in the direction of the arrow shown below.

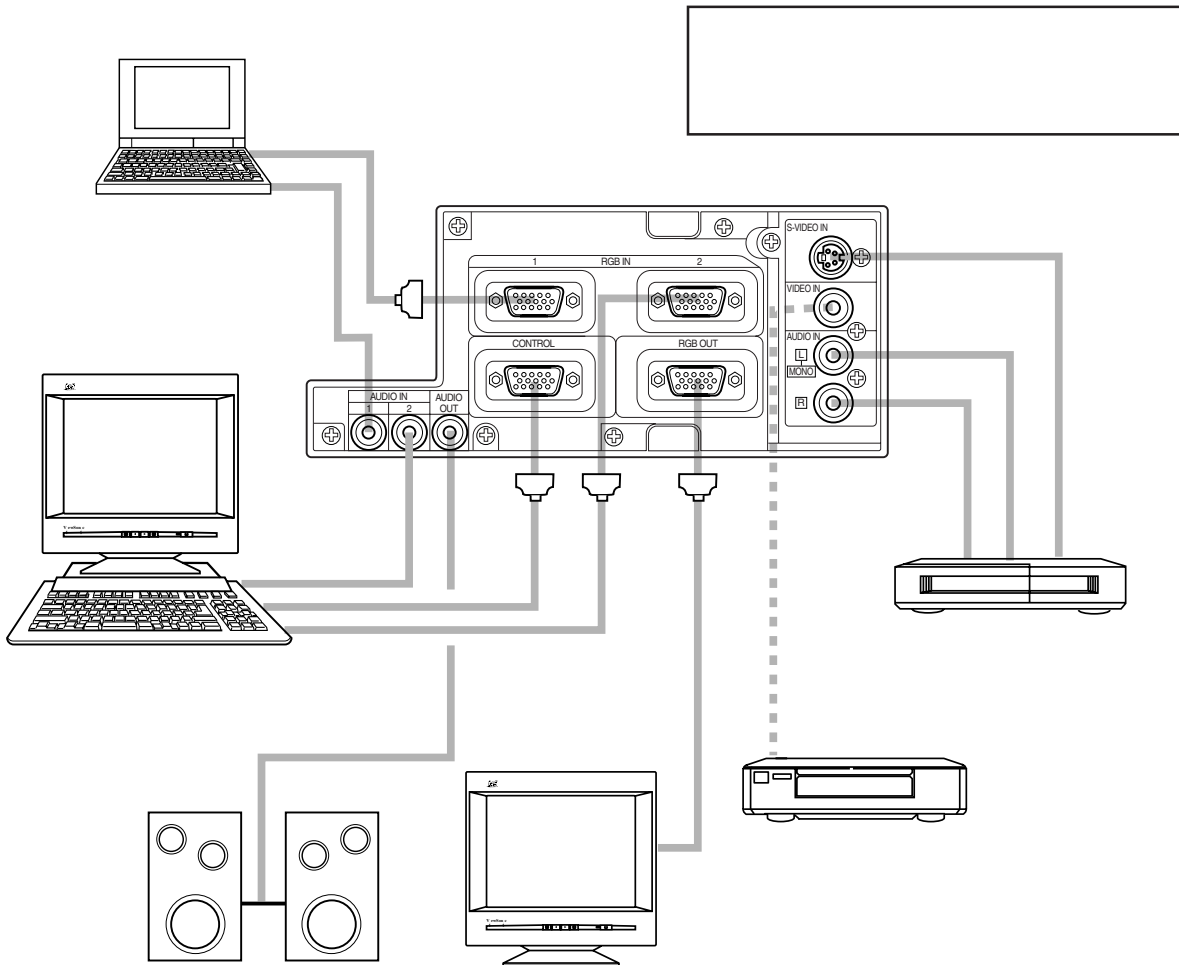
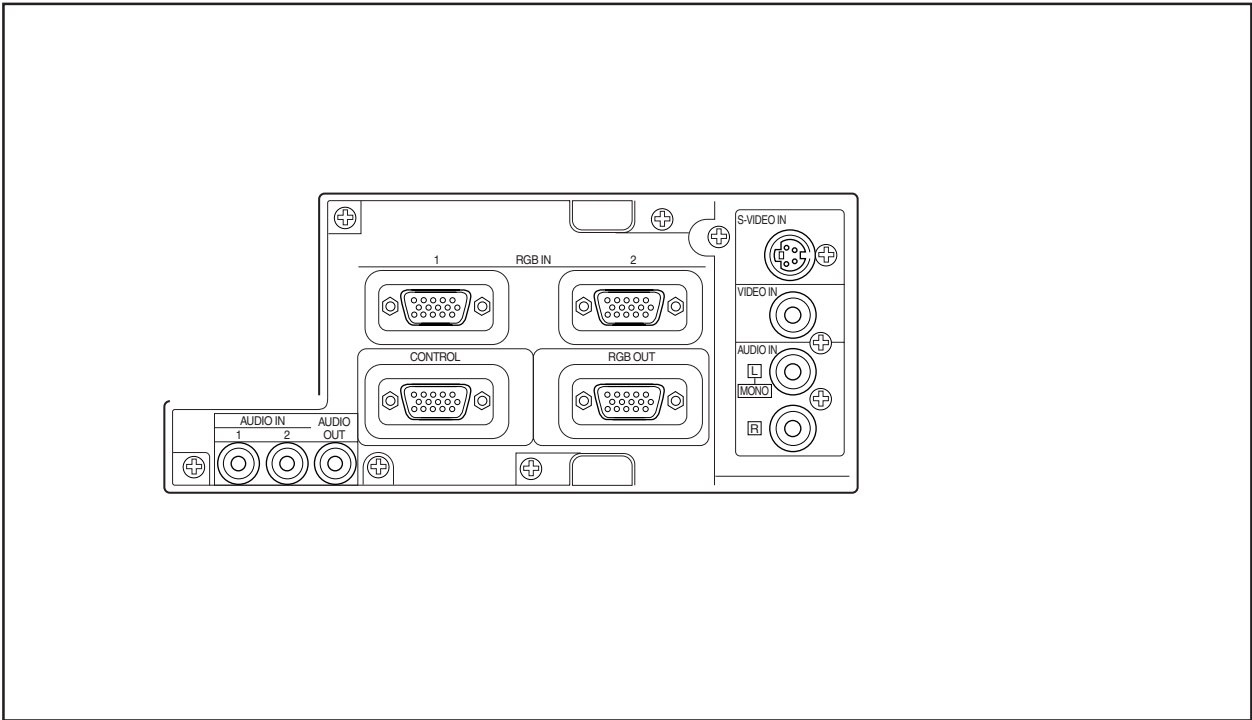
2 Insert the batteries (Alkaline type) with the polarities (+,-) facing the direction shown below.

3 Replace the compartment cover.



CAUTION:

- Only use AA (LRG) type of batteries.
- To prevent leakage that may damage the unit, do not combine old and new batteries.
- When inserting batteries, be careful to insert them according to the correct polarities (+,-).
- If not using the Remote Control Unit for an extended period of time, remove the batteries.



Operation

Projecting a Picture

- 1 **Power ON the projector.** Set the MAIN POWER switch to ON (located on the side Connector Panel). The ON indicator lights orange.
- 2 **Press the STANDBY/ON button** on the Projector Control Panel or on the Remote Control Unit. (See page 7)
The ON indicator blinks green during warm-up and stays green when projector is ready for use.
NOTE: The power can not be turned on if the STANDBY/ON button is pressed within 60 seconds after the power is turned off.
- 3 **Remove the lens cap.**
- 4 **Position the projector** the desired distance from the projection screen, then **set the projection angle** by positioning the foot adjusters. (See *Positioning the Projector* and *Setting the Projection Angle* below)
- 5 **Power ON all connected input devices.** (See pages 4-5.)
- 6 **Select the signal source:** press the INPUT button on the projector or one of the the INPUT buttons (VIDEO/RGB) on the Remote Control Unit. (See pages7.)
NOTE: To switch between RGB1 and RGB2, use the INPUT menu (see page 10).
- 7 **Adjust the picture size** with the ZOOM knob, then **adjust the focus** using the FOCUS ring (see page 7).

Turning Off the Projector

- 1 **Press STANDBY/ON button** (on Control Panel or Remote Control Unit) for one (1) second. The ON indicator blinks orange and the projector lamp turns off.
CAUTION: Always press the STANDBY/ON button before turning OFF the MAIN POWER. This allows the fan to cool down the projector.
- 2 **Wait until the fan stops** (about one minute after pressing STANDBY/ON button).
- 3 **Power OFF the projector.** Set the MAIN POWER switch to OFF.
- 4 **Place the lens cap over the lens.**

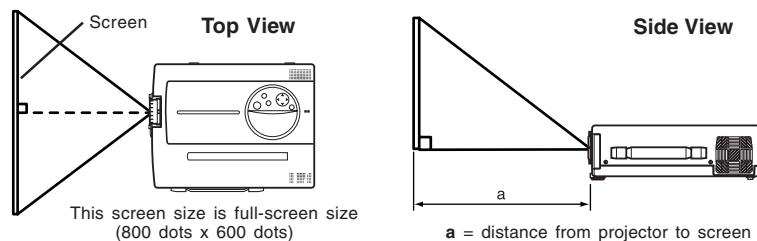
NOTE:

This projector complies with VESA DDC1/2B specifications. Only RGB1 supports Plug & Play.

Positioning the Projector

The projector must be horizontal to get a distortion-free picture. Place the projector on a table-top or other flat surface. Use the chart below to determine the placement of the projection screen.

Screen Size (inches)	Distance "a" (inches)	
	Minimum	Maximum
40	64	64
60	97	127
80	130	169
100	163	213
120	196	256
150	244	319
200	326	----



CAUTION To prevent a build-up of heat that can damage the projector:

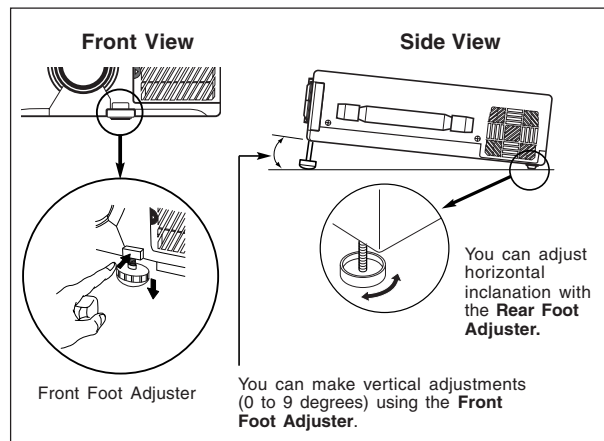
- Be especially careful not to block ventilation holes when installing the projector.
- Only use this projector in the horizontal position (see Side View shown above).

Setting the Projection Angle

- 1 While firmly grasping the front of the projector with both hands, use an index finger to push, and hold, the Adjuster Button (located above the Front Foot Adjuster).
- 2 To adjust the viewing angle, tilt the front of the projector up. Then (while still grasping the projector) release the Adjuster Button, securely locking the Front Foot Adjuster.
- 3 To make fine adjustments, turn the base of the Front Foot Adjuster. Also adjust the Rear Foot Adjuster in this manner.

CAUTION

- To prevent possible injury or damage, make sure you are holding on to the projector securely before you unlock the foot adjusters.
- Securely lock the Front Foot Adjuster.
- Do not use unnecessary force when you move either of the foot adjusters.





Operation

Adjusting the Projected Image

- 1 Display the list of menus.** Press any one of the four MENU buttons on the Projector Control Panel or the MENU ON/OFF button on the Remote Control Unit. The names of the four menus (SETUP, INPUT, IMAGE, OPTION) will display. (See pages 8-10)
- 2 Select the menu.** To select one of the four menus, press the left or right MENU buttons on the Projector Control Panel or the DISK PAD on the Remote Control Unit. The name of the selected menu is highlighted in green.
- 3 Select the menu option.** To select a menu option you want to adjust, use the MENU buttons on the Projector Control Panel or use the DISK PAD on the Remote Control Unit. The selected adjustment option is highlighted in green.

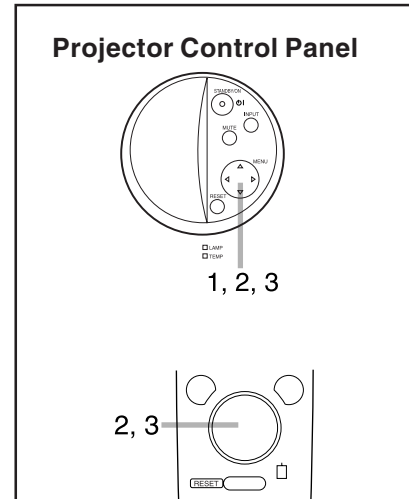
Memory Function

Whenever you power OFF the projector, all picture adjustments made for each input device (VIDEO, RGB1, RGB2) will be saved separately.

Returning to Factory Default Settings

To return all the controls in a given menu to factory settings:

- 1 Select the menu (follow steps 1 and above).
- 2 Press the RESET button (on the projector control panel or Remote Control Unit), and select DEFAULT.
If you change your mind, select CANCEL.

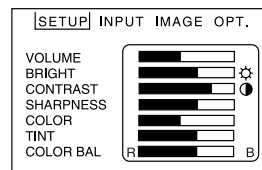


SET UP Menu

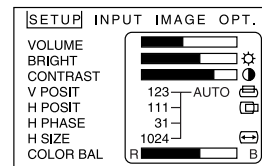
The SET UP Menu allows you to adjust the picture for each input source separately: RGB1, RGB2, and VIDEO (Composite Video or S-Video).

NOTE: Before using the SET UP Menu, use the INPUT Menu to select one of the input sources, then repeat these steps for each of the other input sources (see next page). Two computers can be connected (using RGB1 and RGB2), and one video source should be connected (using either the Composite video or S-video input port.) See page 5 for information about the input ports.

SET UP Menu Options	Adjustments
VOLUME	Decrease -- Increase
BRIGHT (BRIGHTNESS)	Darker -- Brighter
CONTRAST	Lower -- Higher
For VIDEO signal input only	
SHARPNESS	Softer -- Sharper
COLOR (SATURATION)	Lower -- Higher
TINT	Red -- Green
For RGB signal input only	
V POSIT (VERTICAL POSITION)	Moves picture up or down (or use automatic control)
H POSIT (HORIZONTAL POSITION)	Moves picture left or right (or use automatic control)
H PHASE (HORIZONTAL PHASE)	Decreases flicker/picture rolling (or use automatic control)
H SIZE (HORIZONTAL SIZE)	Widens/narrows horizontal size of picture (or use automatic control)
COLOR BAL (COLOR BALANCE)	Red -- Blue



VIDEO signal input



RGB signal input

NOTE:

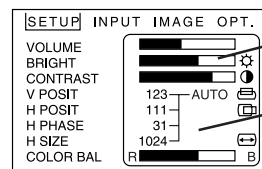
- TINT cannot be adjusted with PAL/SECAM video signal input.
- TINT, COLOR, and SHARPNESS cannot be adjusted with RGB signal input.
- V. POSIT, H. POSIT, H. PHASE, and H. SIZE cannot be adjusted with VIDEO signal input.

How to use the SET UP menu

Use the MENU buttons on the projector (or DISK PAD on the Remote Control Unit) to move the cursor to the item you want to adjust.

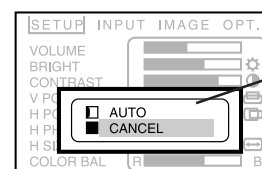
For bar display items (VOLUME, BRIGHTNESS, CONTRAST, COLOR BALANCE) you must make adjustments manually using the on-screen controls (see illustration to the right).

For numerical display items (V POSIT, H POSIT, H PHASE, H SIZE) you have the option making adjustments manually or selecting AUTO (see illustration to the right). During automatic adjustment, the word "AUTO" will flash in the lower right corner of the screen; when the adjustment is complete, AUTO will disappear. This may take several seconds to complete.



bar display items

numerical display items

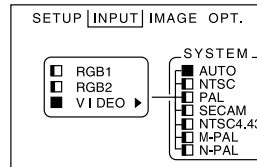
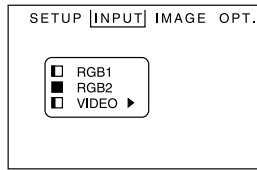


AUTO option
(only applies to numerical display items shown above)

INPUT Menu

The INPUT Menu allows you to select from three possible input sources (RGB1, RGB2, and VIDEO). For VIDEO, the AUTO option will work for most circumstances (N-PAL is not supported).

INPUT Options	Details about Selection Options
RGB1	Selects signal from RGB1 port
RGB2	Selects signal from RGB2 port
VIDEO	Selects signal from VIDEO port (either Composite video or S-Video)
SYSTEM	Selects the type of video signal SYSTEM (see below). In normal circumstances, select AUTO (AUTO does not support N-PAL).



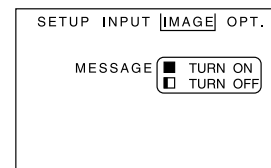
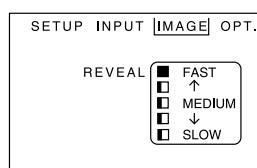
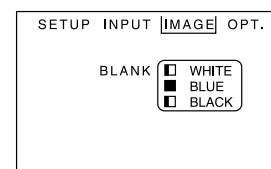
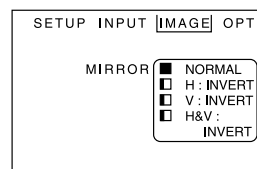
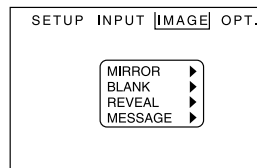
VIDEO options

NOTE: RGB1 is compatible with Plug and Play (DDC1™ and DDC2B™); RGB2 is not.

IMAGE Menu

The IMAGE Menu allows you to select the MIRROR, BLANK, REVEAL, and MESSAGE options.

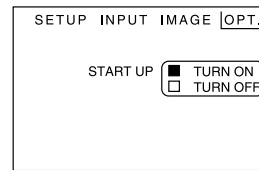
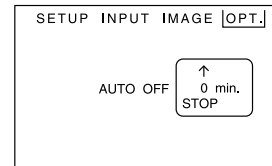
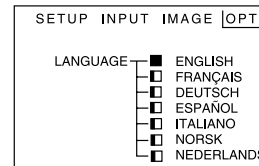
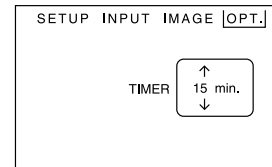
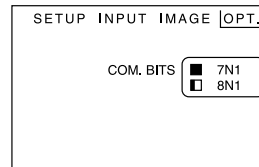
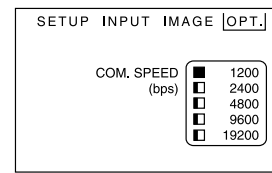
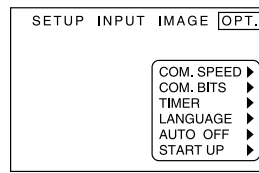
IMAGE Menu Options	Details about Selection Options
MIRROR	Inverts picture horizontally and/or vertically NORMAL Returns to factory settings H : INVERT Inverts picture horizontally V : INVERT Inverts picture vertically H&V : INVERT Inverts picture horizontally and vertically
BLANK	Selects background color (white, blue, or black) for the Blank Screen feature (which will display without video signal input).
REVEAL	Selects the speed that the projected image reappears after the Blank Screen feature is turned off (using the BLANK button on the Remote Control Unit).
MESSAGE	Turns on-screen message on/off (When turned on, VOLUME level is indicated on-screen)



OPT. (OPTION) Menu

The OPT. Menu allows you to adjust the Communication Function* (COM. SPEED and COM. BITS), enabling you to control the projector from a computer. The OPT. Menu also allows you to set the TIMER, select the LANGUAGE for all on-screen displays, activate AUTO OFF and START UP.

OPT. (OPTION) Menu Options	Details about Selection Options
COM. SPEED (COMMUNICATION)	Selects data speed of transmission: 1200, 2400, 4800, 9600, 19200. (Used for computer control of projector)
COM. BITS	Selects data transmission format: 7N1...7 data bits, No Parity, 1 Stop bit (Used for computer control of projector.)
TIMER	A countdown timer (up to 99 minutes) you can activate whenever needed. The time remaining displays at bottom of the projected picture.
LANGUAGE	Selects language of On-View menus: English, Francais (French), Deutsch (German), Espanol (Spanish), Italiano (Italian), Norsk (Norwegian), Nederlands (Dutch)
AUTO OFF	Sets time (up to 99 minutes) the lamp will automatically turn off and the projector will switch to Standby Mode if an input source is not detected. To disable AUTO OFF, set minutes to 0.
START UP	Toggles on/off the "ViewSonic® See the Difference" start-up screen (which is displayed each time the projector is powered on).



IMPORTANT: If AUTO OFF is activated and shuts off the projector lamp, wait at least one (1) minute. Then press--and briefly hold--the STANDBY/ON button. The lamp will turn back on.

* **NOTE:** Computer control of the projector (communication function) is an advanced feature that requires specialized software not included with the PJL855. To develop this software you will need various control codes and other supplementary information available from ViewSonic Customer Support. (See the back of this guide for contact information.)

Technical Information

Specifications

LCD	Type Pixels	0.9" Polysilicon (x3) Stripe Pixel 800 x 600 TFT Active Matrix 1,440,000 (800 dots x 600 lines x 3 colors)
Lens Display	Type Image Size Projection Distance Brightness Contrast Ratio Aspect Ratio Lamp Lamp Life	Manual Zoom (1.3) F1.7 ~ 2.0 (f = 37.9 - 49.2 mm) 31" - 300" (787mm x 7620mm) 1.2m - 12.3m 800 ANSI Lumens (typical) *, 640 ANSI Lumens (minimum) 70:1 (minimum - ANSI method), 100:1 (typical-ANSI method) 4:3 150W Ultra High Pressure compact 1500 hours
Audio	Power	2W (1W + 1W) 10%THD
Input Signal	RGB Analog Video S-Video Frequency	75 ohms, 0.7 Vp-p H/V Separated, Composite (TTL) NTSC / PAL / SECAM (1.0 Vp-p, 75 ohms) Luminance signal 0.7 Vp-p, 75 ohms termination Chrominance signal 0.29Vp-p (NTSC), 0.30Vp-p (PAL), 75 ohms termination f _n : 15.75/15.63, 25-60 kHz f _v : 56-85Hz
Compatibility	PC Macintosh® ** Video	PC compatible (up to 1024 x 768 compressed) Power Macintosh® (up to 1024 x 768 compressed) NTSC / PAL / SECAM / S-VIDEO
Maximum Recommended Resolutions		1024 x 768 @ 75Hz (Compressed) 800 x 600 @ 60Hz
Input Ports	RGB Video S-Video Audio	15 pin mini D-sub (x2) RCA (x1) Mini DIN 4-pin (x1) RCA jack (L/R) for Video, Stereo Mini (x2) for RGB
Output Ports	RGB Audio	15 pin mini D-sub (x1) Stereo Mini (x1) for Audio-out
Power	Voltage Consumption	AC 100-120/220-240 50 / 60 Hz (Automatic), 3 Wire Grounded 250 Watts
User Controls	Physical/projector	Standby On/Off, Menu (Left, Right, Up, Down), Input, Reset, Mute
Video	Input Bandwidth	150 mHz
Operating Conditions	Temperature Humidity	32°F to 95°F (0°C to 35°C) 10% to 85% (no condensation)
Optimum Installation Environment	Temperature Humidity	59°F to 82°F (15°C to +28°C) 40% to 75% (no condensation)
Storage Conditions	Temperature Humidity	-4°F to +140°F (-20°C to +60°C) 10% to 85% (no condensation)
Dimensions	Physical Packing	258mm (W) x 107mm (H) x 336mm (D) 13.8" (W) x 4.2" (H) x 13.2" (D) 351mm (W) x 406mm (H) x 437mm (D) 12.4" (W)x 16.0" (H) 17.2"(D)
Weight (typical)	Net Gross	4.5 kg (9.9 lb) 9.0 kg (19.8 lb)
Regulations		UL, c-UL, FCC-A, CE, CB Report,BCIQ, CCIB, C-Tick, TÜV
UV		
Power Savings	"On" Green "Stand By" Amber	250W 11W

* Brightness may vary with lamp age and environmental conditions

** Macintosh computers require a ViewSonic Macintosh Kit. Contact ViewSonic (see back cover of this user's guide.)

All products and trademarks are brand names of their respective companies. Specifications are subject to change without notice.

Timing Chart

The following table lists the maximum refresh rates that the **ViewSonic PJL855** will operate at a number of standard resolutions (timing presets). While the projector is capable of this level of performance, not all video cards are capable of operating at these signal timings. See your graphics card user's guide to ensure compatibility.

Computer/Signal Timings	Input Resolution H x V	Vertical Frequency (Refresh Rate) (Hz)	Horizontal Frequency (kHz)	Polarity of Synchronizing Signal H/V	Output Resolution (Display Dots) H x V
Industry 640 x 400@56Hz	640 x 400	56.4	24.8		1024 x 640
VESA 720 x 400@85Hz	640 x 480	85.0	37.9	-/-	1008 x 640
VESA 640 x 480@85Hz	640 x 480	85.0	43.3	-/-	853 x 640
Mac® 13" 640 x 480@67Hz	640 x 480	66.7	35.0	-/-	1024 x 768
VESA VGA-3 640 x 480@73Hz	640 x 480	72.8	37.9	-/-	1024 x 768
VESA VGA-3 640 x 480@75Hz	640 x 480	75.0	37.5	-/-	1024 x 768
VESA VGA-3 640 x 480@85Hz	640 x 480	85.0	43.3	-/-	1024 x 768
VESA SVGA 800 x 600@56Hz	800 x 600	56.3	35.2	+/+	1000 x 750
VESA SVGA 800 x 600@ 60Hz	800 x 600	60.2	37.9	+/+	1000 x 750
VESA SVGA 800 x 600@ 72Hz	800 x 600	72.2	48.1	+/+	1000 x 750
VESA SVGA 800 x 600@75Hz	800 x 600	75.0	46.9	-/-	1000 x 750
VESA SVGA 800 x 600@85Hz	800 x 600	85.1	53.7	-/-	1000 x 750
Mac 16" 832 x 624@75Hz	832 x 624	74.57	49.7	+/+	1024 x 768
VESA XGA 1024 x 768@60Hz	1024 x 768	60.0	48.4	-/-	1024 x 768
VESA XGA 1024 x 768@70Hz	1024 x 768	70.1	56.5	-/-	1024 x 768
VESA XGA 1024 x 768@75Hz	1024 x 768	75.0	60.0	-/-	1024 x 768

CAUTION: Some input sources may not display properly if they are not compatible with the projector. Some input sources may not display in full size, as shown in Output Resolutions.

Connecting to the RS232 Port

The RS232C Port has two possible uses:

- 1 Mouse Emulation** This allows you to use a mouse with one computer at a time, by toggling between one computer connected to RGB1 and another computer connected to RGB2.

NOTE: Depending on which type of mouse you will be using (PS/2, ADB, or Serial) you must use the appropriate connector. (See diagrams below)

- 2 Computer Control Port** This is only used for special applications in which a computer controls the projector (instead of the projector's control buttons or Remote Control Unit).

NOTE: To use this feature you must first develop customized software using various control codes. To find out how to access this supplementary information, contact ViewSonic Customer Support. (See the back of this guide.)

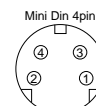
Mouse Emulation

- 1 With both the projector and the computer powered OFF, connect the projector and the mouse terminal of the computer using the appropriate cable. (See diagrams to the right).
- 2 Disconnect the existing mouse.
- 3 Power ON the projector, then power ON the computer.
NOTE: If mouse emulation will not start, reset the computer and/or check the mouse driver.

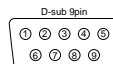
(a) PS/2 mouse connector



(b) ADB (Macintosh) mouse connector



(c) Serial mouse connector



NOTE:

Depending on which type of mouse you will be using (PS/2, ADB, or Serial) you must use the appropriate connector.

Troubleshooting

On-Screen Warning Messages

OnView Message	Recommended Action
CHANGE THE LAMP AFTER REPLACING THE LAMP, RESET THE LAMP TIMER.	The lamp has reached its end of life. Please replace the lamp with a new one within 200 hours of use. See page 16.
CHANGE THE LAMP AFTER REPLACING THE LAMP, RESET THE LAMP TIMER. THE POWER WILL TURN OFF AFTER 20 HR.	Replace the lamp with a new one (RLU-150-03A). Please replace the lamp within 20 hours of use. See page 16.
CHANGE THE LAMP (Brightness)	Replace the lamp. The lamp will last for 10 hours.
NO INPUT IS DETECTED	No signal is detected. Check the cable connection.
SYNC IS OUT OF RANGE	Check the video signal (HDMI or DVI) connection. See page 13.

Control Panel Indicators

ON Indicator	LAMP Indicator	TEMP Indicator	Meaning	Recommended Action
Lamp on	Green	Green	Standby	-----
Brightness	Green	Green	Warning	-----
Lamp on	Green	Green	Duplicate	-----
Brightness	Green	Green	Warning	-----
Lamp on	Lamp on	Green	Lamp on	Power OFF. If the lamp indicator is lit, the lamp may be defective. Replace the lamp.
Lamp on	Brightness	Green	Lamp on	After the lamp is replaced (45 hours), the lamp indicator will be lit. Replace the lamp.
Lamp on	Green	Green	Cable connection	Check the video signal source.
Brightness	Brightness	Brightness	Maximum brightness	Replace the lamp. The lamp will last for 16 hours.

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Problem Solving Chart (Check this before contacting Customer Support)

Phenomena	Possible Cause	Recommended Action	Page No.
Power cannot be turned on	<ul style="list-style-type: none"> Main Power switch is not ON Power cord is disconnected 60-second automatic reset timer is active Internal fuse is blown 	<ul style="list-style-type: none"> Turn Main Power Switch ON Check and reconnect AC cord After power is restored, wait for 60 seconds before using the unit Check and replace the fuse if necessary Check and replace the fuse if necessary Check and replace the fuse if necessary 	6, 7
No picture sound	<ul style="list-style-type: none"> Input source is not selected Wrong channel selected 	<ul style="list-style-type: none"> Select correct input source using INPUT button Check and select correct channel using INPUT button Verify cable connection 	7, 10 5
Picture is not clear	<ul style="list-style-type: none"> Wrong channel selected Volume is too low Picture Menu is off 	<ul style="list-style-type: none"> Verify cable connection Check and adjust VOLUME (+) button Check and adjust RECALL button Check and adjust MUTE button Check and adjust RECALL button 	5 7 5, 7
Sound is not clear	<ul style="list-style-type: none"> Wrong channel selected Brightness is too low Lead-acid battery is discharged 	<ul style="list-style-type: none"> Verify cable connection Check and adjust BRIGHTNESS button Check and adjust RECALL button Check and adjust MENU button Check and adjust BRIGHTNESS button 	6, 7 5, 9
Color is not clear	Color is not clear	Adjust COLOR and TINT	9
Picture is dark	Brightness and Contrast are too low	Adjust BRIGHTNESS and CONTRAST	9
Picture is blurry	Image is out of focus	Adjust focus using FOCUS RING	7
LAMP indicator is lit*	Lamp is fusing	Turn Power Switch OFF, wait 45 minutes; then turn ON again	6
More than one feature cannot be used (using Recall button)	<ul style="list-style-type: none"> More than one feature cannot be used RGB gamma is not selected 	<ul style="list-style-type: none"> Be sure to follow the correct order: (1) check and select the feature, (2) check and select the feature, (3) check and select the feature Verify and adjust RGB (gamma) settings Check and adjust the feature settings (INPUT button) Check and adjust the feature settings (INPUT button) 	13 10

Maintenance

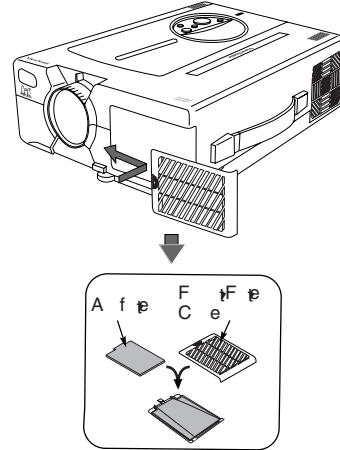
Cleaning Instructions

To ensure that the projector functions properly, follow the recommended cleaning instructions below.

Cleaning the Air Filter

IMPORTANT: Clean the air filter about every 100 hours.

- 1 Turn OFF the Main Power switch. Disconnect the power cord from the projector.
- 2 Carefully disconnect the dust filter (see page 14). The dust filter is located at the rear of the projector.
- 3 Remove the dust filter from the projector. (See page 14.)
- 4 Reinstall the dust filter, the dust filter cover. Tighten the dust filter cover.



NOTE: If sufficient dust, etc. collects in the air filter, a protection circuit in the projector will automatically turn off the power. To prevent this from occurring, make sure you clean the air filter every 100 hours.

Cleaning the Lens

Use a soft, lint-free cloth to clean the lens. Do not use any ammonia or alcohol based cleaner.

CAUTION: Never use any ammonia or alcohol based cleaner on the lens.

Cleaning the Cabinet

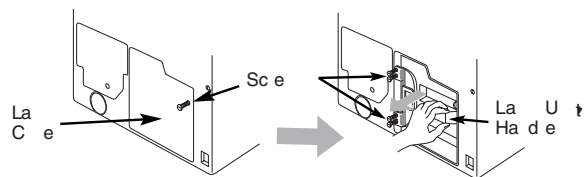
Use a soft, lint-free cloth to clean the cabinet. Do not use any ammonia or alcohol-based cleaner to clean the cabinet.

CAUTION: Never use any ammonia or alcohol-based cleaner to clean the cabinet.

Replacing the Lamp Unit

To order a new lamp unit (Part No. RLU-150-03A) contact ViewSonic® Customer Support.

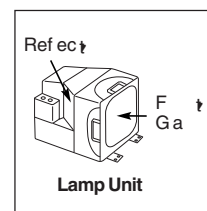
- 1 Make sure the Main Power switch is OFF, and disconnect the power cord from the projector. If the power cord is connected, the projector will be damaged.
- 2 Carefully disconnect the dust filter (see page 14). The dust filter is located at the rear of the projector.
- 3 Loosen the screws (4) and remove the lamp unit cover.
- 4 Carefully remove the lamp unit cover.
- 5 Reinstall the lamp unit cover.
- 6 Reset the lamp time (to 100 hours)
 - Press RESET () TIMER () Reconnect the power cord (3) and press the power button.
 - Press RESET () MENU ON () Reconnect the power cord.
 - Select "0" to clear the MENU [<] () DISKPAD () Reconnect the power cord.



Replace the lamp unit if:

- The counter displays "CHANGE THE LAMP" or "LAMP ERROR".
- The projector displays "LAMP ERROR" (See page 14.)

CAUTION: HANDLE THE LAMP UNIT CAREFULLY. Dropping the unit could cause the lamp to explode.



LIMITED WARRANTY

VIEWSONIC P JL855 OFFICE THEATER™

What the warranty covers:

ViewSonic warrants that the product is free from defects in materials and workmanship under normal use and handling. The warranty is limited to the repair or replacement of the product. ViewSonic is not responsible for damage to the product caused by accident, misuse, or unauthorized modification.

How long the warranty is effective:

The ViewSonic P JL855 Office Theater is warranted for (3) years from the date of purchase. The warranty is void if the product is used for commercial purposes.

Who the warranty protects:

The warranty is valid for the original purchaser.

What the warranty does not cover:

- Accidental damage, including liquid spills, fire, theft, or power surges.
- Damage caused by unauthorized modifications or use of non-genuine ViewSonic parts.
- Damage caused by misuse, including use for commercial purposes.
- Damage caused by environmental factors, such as lightning, earthquakes, or flooding.
- Damage caused by use of non-genuine ViewSonic accessories.
- Normal wear and tear.
- Damage caused by use of the product for purposes not intended by ViewSonic.

How to get service:

- Contact your local ViewSonic Customer Support center for assistance.
- For a complete list of service centers, visit the ViewSonic website.
- ViewSonic is not responsible for shipping or handling charges.
- ViewSonic is not responsible for damage to the product during shipping.

Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:

- DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
- ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of state law:

This warranty is governed by the laws of the state of California. If you are a resident of another state, the laws of that state may apply.

Sales outside the U.S.A.:

ViewSonic does not warrant its products for sale outside the U.S.A. ViewSonic is not responsible for damage to the product during shipping.

REV 7/01/99

Customer Support

Country/ Region	Telephone/Fax	Email/ Website
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